

#### ABSTRACT OF THE DISCLOSURE

A cooling device is applied to cooling an electronic element producing concentrated heat in a case where the 5 electronic element is housed in a portable electronic device such as a notebook PC. The cooling device is provided with an active heat transport element provided with a heat intake portion and a heat outlet portion, which conducts heat from the heat intake portion to the heat outlet portion, a first 10 flow channel disposed upstream of the electronic element in flow of the cooling medium, a second flow channel disposed downstream of the electronic element in the flow of the cooling medium. The heat is by-passed by means of the active heat transport element so that the electronic element is exposed 15 to flow of the cooled cooling medium and effectively cooled thereby.